

# Optimize Manufacturing Operations with AI Enablement

Manufacturing teams need fast, reliable access to work orders, manuals, sensor data, and past fixes. In many plants, that knowledge sits across disconnected systems. Searching eats time, and guessing adds significant risk.

Emerging AI tools such as agentic AI assistants promise speed and clarity, but manufacturing organizations are quickly learning that their AI results aren't meeting expectations. BA Insight can help.

## The manufacturing reality

Manufacturers are investing heavily in AI, but most initiatives struggle to move beyond experimentation. The root cause isn't the AI; it's the data foundation underneath it.

AI systems depend on structured, contextual, and permission-aware knowledge. When data is fragmented, unclassified, or insecure, AI initiatives fail, wasting time, budget, and credibility.

BA Insight delivers a secure AI enablement platform across manufacturing systems, connecting knowledge where it already lives and preparing it for AI consumption, without disrupting operations.



## Common challenges

- Disconnected operational knowledge across ERP systems, CMMS tools, file shares, and vendor portals
- Information overload across systems with ad-hoc permissions and little oversight
- AI tools surface weak answers, creating friction and eroding trust in the system
- Maintenance teams rely on memory for troubleshooting instead of insight
- New hires struggle to onboard, held back by a mix of tribal knowledge and disconnected systems

## Why BA Insight for manufacturing?

Manufacturing environments are complex by design. BA Insight works with that complexity, not against it.

BA Insight helps manufacturing organizations build the secure knowledge foundation AI requires so production stays running, teams boost efficiency, and AI delivers measurable business impact.

# AI enablement benefits for manufacturers

## Unify operational knowledge

Connect information across 95+ enterprise systems and repositories.

## Improve efficiency at scale

Reduce time spent searching and validating information.

## Enable trusted AI and enterprise search experiences

AI assistants, copilots, and search tools deliver accurate, relevant answers grounded in real operational data.

## Faster troubleshooting and issue resolution

Find the right procedures, past fixes, and equipment knowledge in seconds—not hours—so teams can diagnose problems quickly and resolve issues before they escalate.

## Quicker onboarding and knowledge transfer

Capture institutional knowledge and make it instantly accessible, helping new hires get productive faster while preserving expertise as experienced workers retire or move on.

## Maintain source-system security

Automatically inherit permissions by role, user, or clearance level.

## Succeed with AI now and in the future

Stay AI-agnostic while supporting copilots, agents, and next-generation AI tools.

## Structure and enrich knowledge before AI touches it

Manuals, maintenance logs, SOPs, and records gain context, metadata, and semantic structure.

## Reduced downtime and improved asset utilization

Minimize unplanned downtime by giving teams immediate access to the information they need to keep equipment running efficiently and production on schedule.

## AI investments that finally deliver measurable ROI

Prepare and connect operational knowledge so AI tools produce accurate, trustworthy results. Drive adoption, productivity gains, and real business value.



## Turn fragmented knowledge into operational intelligence.

[Request a demo](#)

**Upland BA Insight** transforms the way your organization implements Generative AI. With 95+ ultra-secure connectors, we enable your organization to seamlessly connect, enrich, and augment your business applications to extend Generative AI into external business applications. BA Insight enriches your content for increased findability, contextualization, security, and is better utilized for Generative AI capabilities and stopping AI project failure.

